

Title (en)

System for measuring the variation of an optical line of sight of an optical instrument

Title (de)

Messsystem zur Bestimmung der Variation der Ziellinie eines optischen Instrumentes

Title (fr)

Dispositif de mesure de bougé de ligne de visée d'instrument optique

Publication

EP 2290430 B1 20180725 (FR)

Application

EP 10173995 A 20100825

Priority

FR 0955864 A 20090828

Abstract (en)

[origin: EP2290430A1] The device has an optical measuring path that is same as an observation path of an optical instrument. An optical beam measuring detector (11) measures optical beam issued from a light source (6) and is arranged in a manner such that the beam travels in the observation path. A pseudo inertia collimating mirror (5) is arranged on the optical measuring path. A passive isolator i.e. elastomeric support, isolates the collimating mirror with respect to lateral vibrations transmitted by an optical platform in a predetermined frequency range. An independent claim is also included for a high frequency vibration control device for an optical sight line of an optical instrument, comprising a correcting unit for correcting shifting of an observation beam.

IPC 8 full level

G01B 11/27 (2006.01); **G01B 11/26** (2006.01); **G02B 23/06** (2006.01); **G02B 27/64** (2006.01)

CPC (source: EP US)

G01B 11/26 (2013.01 - EP US); **G01B 11/272** (2013.01 - EP US); **G02B 23/06** (2013.01 - EP US); **G02B 27/646** (2013.01 - EP US)

Citation (examination)

US 5220456 A 19930615 - HAESSIG JR DAVID A [US]

Cited by

CN110514286A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2290430 A1 20110302; **EP 2290430 B1 20180725**; FR 2949574 A1 20110304; FR 2949574 B1 20120210; US 2011049328 A1 20110303; US 8395764 B2 20130312

DOCDB simple family (application)

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